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FIGURE 1A

bitterbush_[SIN_2]	MEEPK-----KHISQADLAKHKQPGDLWISIKGKVYDISKW
soybean_[SIN_8]	M-----EVVEKEK-----KYITSEELKGNKEGDLWISIQKGVNVSDW
borage_[gi_2062403]	MA-----A-----QIK-----KYITSEELKNHDKPGDLWISIQKAYDVSDW
corn_[SIN_4]	MP-----PSVDAMPAGDAAGAGDVRMISSELRAHASADDLWISISGDEVYDVTWP
wheat_[SIN_10]	MARTGLADATAPEADAMPAASK--DAADVRMISTKELQAHAAADDLWISISGDEVYDVTWP
wheat_[gi_4104056]	MARTGLADATAPEADAMPAASK--DAADVRMISTKELQAHAAADDLWISISGDEVYDVTWP
soybean_[SIN_6]	LP-----A-----
sunflower_[gi_1040729]	MV-----SPSIEVLNSIADGK-----KYITSKELKXNNPNDLWISILGKVYNVTW
bitterbush_[SIN_2]	TKEHPGGELPLLSFAGQDVTDAFIAYHPGTAWQYLDREFTGYVYQDYSVSEMSKDYRRLV
soybean_[SIN_8]	VKEHPGGDVPI SNLAGQDVTDAFIAYHPGTAWSHLEKFFFTGYHLSDFKVSEVSKDYRKLA
borage_[gi_2062403]	VKDHPGGSFPLKSLAGQEVTDAFVAFHPASTWKNLDKFFFTGYLLKDYSEVSEVSKDYRKLV
corn_[SIN_4]	LPHHPGGDLPLLTLAGQDATDAFAAYHPPSARPLLRFFVG-RLSDYAVSPASADYRRL
wheat_[SIN_10]	LRHHPGGEVPLITLAGQDATDAFMAYHPPSVRPLLRFFVG-RLSDYTVPPASADFRRLL
wheat_[gi_4104056]	LRHHPGGEVPLITLAGQDATDAFMAYHPPSVRPLLRFFVG-RLTDYTVPPASADFRRLL
soybean_[SIN_6]	-----FSTSHRSLSDHTVSAASSDYRKLF
sunflower_[gi_1040729]	AKEHPGGDAPLINLAGQDVTDAFIAYHPGTAWKHLDKLFRTGYHLKDYQVSDISRDRKLA
bitterbush_[SIN_2]	SEFSKMGLFKTPGKGVYCSIFFVSVLFALSVYGVLYCKSTWAHLCSGLLMGMLWLQSGWV
soybean_[SIN_8]	SEFSKLGFDTKGHVTSCTLASVAVMFLI VLYGVLRCTSVWAHLGSGMLLGLLWMQSAVV
borage_[gi_2062403]	FEFSKMGLYDKKGHIMFATLCFIAMLFAMSVYGVLFCEGVLVHLFSGCLMGFLWIQSGWI
corn_[SIN_4]	AQLSSAGLFEFVGVPTPKVQLVLMVLFYAALYLVACASAWAHLLAGGLIGFVWIIQSGWM
wheat_[SIN_10]	AQLSSAGLFEFVGVTPKFLLVAMSVLFCIALYCVLACSSSTGAHMFAGGLIGFIIQSGWI
wheat_[gi_4104056]	AQLSSAGLFEFVGVTPKFLLVAMSVLFCIALYCVLACSSSTGAHMFAGGLIGFIIQSGWI
soybean_[SIN_6]	SDLALNLFNRKGHTTISLLSLITLFPPLSVCGVLFSDSTFVHVLSAALIGFLWIIQSGWI
sunflower_[gi_1040729]	SEFAKAGMFEKKGGHGVISLFCFVSLLLSACVYGVLYSGSFWIHMLSGAILGLAWMQIAYL

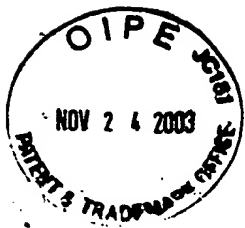


FIGURE 1B

bitterbush_[SIN_2]	GHDSCHYQVMPNRKLNRLFOIIAGNVIAGSVAVWVKLDHNTTHHFACNSANLDDPDIQHLPI
soybean_[SIN_8]	GHDSGHYVVMTTNGFNKVAQILSGNCLTGISIAWVKWTHNAHHIAACNSLDHDPDLQHMPV
borage_[gi_2062403]	GHDAHYMVVSDSRLNKFMGIFAANCLSGISIGWVKWNHNAHHIAACNSLEYDPLQYIPF
corn_[SIN_4]	GHDSGHHRIITGHPVLDREVQVLSGNCLTGLSIAWVKCNHNTTHHIAACNSLDHDPDLQHMPV
wheat_[SIN_10]	GHDSGHHQITRHPALNRLQLQVVSNGCLTGLGIAWVKFNHNTTHHISCNSLDHPDLQHLPL
wheat_[gi_4104056]	GHDSGHHQITRHPALNRLQLQVVSNGCLTGLGIAWVKFNHNTTHHISCNSLDHPDLQHLPL
soybean_[SIN_6]	GHDSGHYNVMLSRRLNRAIQILSGNLAGISIGWVKWNHNAHHIAACNSLDYDPLQHMPV
sunflower_[gi_1040729]	GHDAHYQMMA TRGNKFAFIGNICITGISIAWVKWTHNAHHIAACNSLDYDPLQHLPM
bitterbush_[SIN_2]	IAISPKFFNSLTSYHNCKMTYDRAARFFVSFQHWTFYPALLSVRLYLFI LSFKVVSNN
soybean_[SIN_8]	FAVSSRRFFNSITSHFYGRKLEFDFIARFLICYQHFTFYPMCMVARVNLYLQITILLFSR-
borage_[gi_2062403]	LVSSKFFGSLTSHFYEKRLTFDSLRSRFFVSQHWTFYPIIMCAARLNMVYQSLIMLLTK-
corn_[SIN_4]	FAVSPKLFGNISYFYQRTLAFDAASKFFISYQHWTFYPMCMCIARINLLAQSAALFVLTE-
wheat_[SIN_10]	FAVSTKLFNNLWSVCYERTIAFDAISKFFVSQHWTFYPMCMGFARINLLVQSIIVFLITQ-
wheat_[gi_4104056]	FAVSTKLFNNLWSVCYERTIAFDAISKFFVSQHWTFYPMCMGFARINLLVQSIIVFLITQ-
soybean_[SIN_6]	FAVSSRRFFNSITSHXYGRKXEFDXIAAXFLICYQHFTFYPMCMVARVNLYLQITILLFSR-
sunflower_[gi_1040729]	LAVSSKLFNSITSVFYGRQLTFDPLARFFVSQHYLYYPIPMCMVARVNLYLQITILLISK-
bitterbush_[SIN_2]	KRVYKRSQEILGYAAFLTWYSLLLSRLPNWPERVMYFTSCLAVAGFQHWQFSLNHFASNV
soybean_[SIN_8]	RKVQDRALNIMGILVFWTWFPLLVSCLPNWPVVMFVLASFVCSIQHIQFCLNHFANV
borage_[gi_2062403]	RNVSYRAHELLGCLVFSIWYPLLVSCLPNWERIMFVIAASLVTGMQQVQFSLNHFSSSV
corn_[SIN_4]	KRVPQRLLLEIAGVATFWAWYPLLVASLPNWWERVAFLVFTICGIGHVQFCLNHFSSDV
wheat_[SIN_10]	KKVRQRWLEIAGVAAFWVWYPLLVSCLPNWWERVAFLVAFVITGIGHVQFCLNHFSSAV
wheat_[gi_4104056]	KKVRQRWLEIAGVAAFWVWYPLLVSCLPNWWERVAFLVAFVITGIGHVQFCLNHFSSAV
soybean_[SIN_6]	XKVQDRALNIMGILVFWTWFLLA-----LLFV-----PIQHIQFWLNHLAENL
sunflower_[gi_1040729]	RKIPDRGLNIGTLIFWTWFPLLVSRLLPNWPVAFVLVSFCVTGIGHIQTILNHFSGDV



FIGURE 1C

bitterbush_[SIN_2]
soybean_[SIN_8]
borage_[gi_2062403]
corn_[SIN_4]
wheat_[SIN_10]
wheat_[gi_4104056]
soybean_[SIN_6]
sunflower_[gi_1040729]
YTGLPSGNDWFHQQTGTLNITASAWDWFHGGHLHFQIEHHLFPRMPKCHFRKISPIVVK
YVGPPSGNDWFQKQTSGLDSCASSMDWFFGGLQFQLEHHLFPRLPRCQLRKISPLVSD
YVGPKGNWFEKQTDGTLDISCPPMDWFHGGGLQFQIEHHLFPKMPRCNLRKISPYVIE
YVGPPKGNWFEKQTAGTLDILCSPWMDWFHGGGLQFQIEHHLFPRLPRCHLRKVPAPVRD
YVGPPKGNWFERQTAGTLDIKCSPPMDWFHGGGLQFQVEHHLFPRLPRCHYRMVAPIVRD
YVGPPKGNWFERQTAGTLDIKCSPPMDWFHGGGLQFQVEHHLFPRLPRCHYRMVAPIVRD
YXG-----
YVGPPKGNWFEKQTRGTIDACSSWMDWFFGGLQFQLEHHLFPRLPRCHLRISPICRE

bitterbush_[SIN_2]
soybean_[SIN_8]
borage_[gi_2062403]
corn_[SIN_4]
wheat_[SIN_10]
wheat_[gi_4104056]
soybean_[SIN_6]
sunflower_[gi_1040729]
LCQKHNLSEYETATMWEANKMVYSTLRVAMEAKDVTK-PVPKNMVWEAMNTFG
LCKKHNLPSRSLSFWEANQWTIRTLRTAALQARDLTN-PAPKNLLWEAVNTHG
LCKKHNLPPNYASFSEKANEMTLRLRNTALQARDITK-PLPKNLVWEALHTHG
LCKKHGLTYSAAATFWGANVLTWKTLRAAALQARTATSGGAPKNLVWEAVNTHG
LCKKHGLSYGAATFWEANVMTWKTLRAAALQAREATTGAAPKNLVWEALNTHG
LCKKHGLSYGAATFWEANVMTWKTLRAAALQAREATTGAAPKNLVWEALNTHG

LCKKYNLPYVLSFYDANVTTLKTLRTAALQARDLTN-PAPQNLAWAEAFNTHG